



State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095

(603) 271-3406

FAX (603) 271-7894

October 21, 2002

Letter of Deficiency

DAM #192.05



Ms. Elaine Evans
Eastman Brook Hydro
P.O. Box 91
Piermont, NH 03779

RE: Lake Tarleton Dam, Piermont

Dear Ms. Evans:

The Department of Environmental Services, Dam Bureau (DES) consistently strives to enhance the safety of dams in New Hampshire through its dam safety program. One of the many instruments that plays a part in reaching this goal is our inspection program. DES is forwarding this correspondence to you to advise you that in accordance with RSA 482:12 and Env-Wr 502.02, an inspection of the subject dam was conducted on November 7, 2001. During this visual inspection and/or file review, the following deficiencies were observed:

1. The floor of the emergency spillway showed signs of settlement and erosion on the downstream end of the spillway;
2. The base of the central stoplog bay concrete piers showed signs of deterioration. The deterioration on Pier No. 1 was the most severe. Refer to the enclosed sketch;
3. The lower section of the left downstream stoplog bay abutment wall had failed;
4. There was erosion of the upstream face of the dam, adjacent to the right stoplog bay abutment wall and above the placed riprap;
5. There are no security measures for preventing vandalism at the dam; and
6. There is no operation and maintenance plan (O&M) on file with the DES.

DES believes that the above deficiencies can be corrected by performing the following items by the indicated schedule:

December 15, 2002:

1. Investigate the floor of the emergency spillway that showed signs of settlement and erosion on the downstream end of the spillway. Repair as necessary;
2. Repair the erosion of the upstream face of the dam, adjacent to the right stoplog bay abutment wall and above the placed riprap;
3. Complete and O&M plan for review by DES. Refer to the enclosed guidelines;
4. Repair the base of the central stoplog bay concrete piers that showed signs of deterioration;
5. Repair the lower section of the left downstream stoplog bay abutment wall that had failed; and

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6. Consider the installation of stoplog bay locking devices to prevent unauthorized stoplog board removal. Contact DES for design guidance.

DES is requesting that you complete and submit the attached "Intent to Complete Repairs" form, within 30 days of receipt of this letter, that will provide for correction of the identified deficiencies by the date(s) indicated above. If you believe changes to the items of work or dates are necessary, please make the changes directly on the form and provide a brief explanation. We have enclosed a self addressed stamped envelope for you to return this form.

Our intent in sending you this correspondence is to make you aware of items that DES believes warrant your attention to insure the continued safe operation of your dam. It is our hope that, through the submittal of the attached form and a commitment to keeping a well-maintained dam, you will voluntarily comply with the requested items of work. If we do not receive the intent form or a similarly adequate written reply, we will assume that you are in agreement with our findings and recommendations and DES will carry out follow-up inspections accordingly.

If you have any questions or comments regarding this Letter of Deficiency or would like to be present at future inspections, please contact me at 271-3406, or write to the Water Division at the address listed on the top of the previous page.

Sincerely,

COPY

Grace E. Levergood, P.E.
Dam Safety Engineer

Attachments Guideline for an O&M plan, Sketch-Concrete Pier Deterioration, DB13

cc: Gretchen Rule ✓

Town of Piermont

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